Name: _	
Date: _	Period:

## Earthquakes Earth Science

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		Review: ESRT Review			
ferre	erred Properties of Earth's Interior:				
1.	What is the density of the	continental crust?			
2.	What is the density of the	oceanic crust?			
3.	What is the density range	in the outer core?			
4.	What is the density range	in the inner core?			
5.	What is the approximate of	depth between the Asthenosphere and Stiffer Mantle?			
6.	What is the approximate t	emperature between the Asthenosphere and Stiffer Mantle?			
7.	What is the approximate p	oressure between the Asthenosphere and Stiffer Mantle?			
8.	What is the approximate of	depth between the Asthenosphere and Stiffer Mantle?			
9.	What layer of Earth's inter	ior is liquid?			
10	. What elements are inferre	d to be in the inner core?			

## Review: ESRT Review

## Earthquake P-Wave and S-Wave Travel Time:

1.	Approximately how far will a p-wave travel in 4 minutes?
2.	Approximately how far will a s-wave travel in 4 minutes?
3.	How long does it take for a p-wave to travel 7000 kilometers?
4.	How long does it take for a s-wave to travel 7000 kilometers?
5.	If an earthquakes epicenter is 3000 km away from a seismograph station; approximately how long did the p-wave take to arrive to the seismograph station?
6.	A p-wave took 3 minutes and 20 seconds to reach a seismic station; approximately how long did it take for the s-wave to reach the same station?
7.	A p-wave arrives at 3:00:00 and the s-wave arrives at 3:07:20, what is the exact distance that the seismic station is away from the epicenter?
8.	A p-wave arrives at 7:52:50 and the s-wave arrives at 8:00:00, what is the exact distance that the seismic station is away from the epicenter?
9.	If a p-wave arrived at a seismic station at 12:10:00 and the s-wave arrived at 12:17:00, what is the time of origin of the earthquake?
10.	How many seismic station are need to locate the epicenter of an earthquake?